130-122 A/N Loca 03CC

4451.P024 Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	
Zandi, et al.	Examiner: Unknown
Serial No. 08/310,141	Art Unit:
Receipt Date: September 20, 1994	
For: METHOD FOR COMPRESSION USING REVERSIBLE EMBEDDED WAVELETS	

PETITION FOR REVIEW OF REFUSAL TO ACCORD FILING DATE

Commissioner of Patents
and Trademarks
Washington, D.C. 20231

Attention: Office of the Assistant Commissioner for Patents

Sir:

Applicant respectfully petitions for review of the refusal to accord filing date and that the patent application serial number 08/310,141 received by the Patent and Trademark Office (PTO) on September 20, 1994 be assigned a filing date of September 20, 1994 (the date it was mailed via "Express Mail"). The Examiner has stated that page 43 of the specification of the above-referenced patent application was missing from the originally filed papers, and for this reason, a filing date was not assigned to the above-referenced application papers. Subsequently, a Notice of Incomplete Application was sent to Applicant, a copy of which is included herein.

Applicant respectfully submits that page 43 is not necessary for a filing date, and that even though it is not necessary for a filing date, Applicant respectfully submits that page 43 was included in the application papers that were deposited via "Express Mail" on September 20, 1994.

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In support of the assertion that page 43 was mailed along with the other application papers of patent application serial no. 08/310,141, Applicant has submitted herein a copy of the originally filed postcard with the stamp from the PTO (Exhibit 1) and copies of declarations of Wilfred E. Sayo (Exhibit 2) and Michael J. Mallie (Exhibit 3).

The postcard indicates that the enclosed application filed on September 20, 1994 included 103 pages (with a cover). Declarations of Sayo and Mallie state that the page total listed on the postcard was checked against the actual pages placed in the envelope and Express Mailed to the PTO and that the presence of every page, including page 43, was verified immediately prior to placing the application papers in the envelope. A copy of the Express Mail receipt stamped with the date September 20, 1994 is also included (Exhibit 4).

Based on the facts that the postcard stated all 103 pages were present, and the two declarations stated that page 43 was included in the filed application papers, Applicant respectfully submits that the application is entitled to a filing date as of the date it was mailed via "Express Mail" and that page 43 should be included in the application. A copy of page 43 has been included as a replacement for the original page 43 that is no longer available. Note that because page 43 was originally filed with the application papers, the information contained thereon is not new matter.

Enclosed is a check in the amount of $130.00, the petition fee under 37 C.F.R. §1.17(h). Please charge any shortages and credit any overcharges to out Deposit Account No. 02-2666.

Respectfully submitted,
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN

Dated: 1/3, 1995

Michael J. Mallie
Registration No. 36,591

12400 Wilshire Boulevard
Seventh Floor
Los Angeles, CA. 90025-1026

(408) 720-8598

FIRST CLASS CERTIFICATE OF MAILING
(37 C.F.R. § 1.8(a))

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231

on January 3, 1995.
Date of Deposit

Trina Lewis
Name of Person Mailing Correspondence

Signature

1-3-95
Date

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Zandi, et al.

Serial No. 08/310,141

Receipt Date: September 20, 1994

For: METHOD FOR COMPRESSION USING REVERSIBLE EMBEDDED WAVELETS

Examiner: Unknown

Art Unit:

DECLARATION OF WILFRED E. SAYO

Commissioner of Patents
and Trademarks
Washington, D.C. 20231

Sir:

I, Wilfred E. Sayo, declare that:

I have been an employee of Blakely, Sokoloff, Taylor & Zafman since January 1988. I was the individual who signed the certificate of mailing under C.F.R. §1.10 on the patent application and deposited the application papers as Express Mail in the U.S. Postal Service on September 20, 1994.

When filing applications and papers with the Patent and Trademark Office, I customarily review the documents contained in the application papers with those listed on the postcard to verify the contents of that which is to be mailed. With respect to the above-referenced patent application, I performed this document review prior to the placement of the application papers in the envelope. Specifically, I verified that each of the 103 pages of the application listed on the postcard as being included in the application papers, including page 43, was contained in the application papers prior to sealing the Express Mail envelope.

Immediately thereafter, I placed all of the application papers in the envelope and sealed the envelope. The envelope remained sealed and in my possession until being deposited in the U.S. Postal Service.

I declare, to the best of my knowledge, that all statements made in this document are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the above-captioned application or any patent issued thereon.

Date: Jan. 3, 1995

Wilfred E. Sayo

MAIL IN JAN 9 1995 PAT. & TRADEMARK OFF.

74451.P024 *Patent*

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Zandi, et al.

Serial No. 08/310,141

Receipt Date: September 20, 1994

For: METHOD FOR COMPRESSION USING REVERSIBLE EMBEDDED WAVELETS

Examiner: Unknown

Art Unit:

DECLARATION OF MICHAEL J. MALLIE

Commissioner of Patents
and Trademarks
Washington, D.C. 20231

Sir:

I, Michael J. Mallie, declare that:

I have been an attorney for Blakely, Sokoloff, Taylor & Zafman since December 1991 and am registered to practice before the Patent and Trademark Office. My registration number is 36,591.

When filing applications and papers with the Patent and Trademark Office, I customarily review the documents contained in the application papers with those listed on the postcard to verify the contents of that which is to be mailed. With respect to the above-referenced patent application, performed this document review prior to the placement of the application papers in the envelope. Specifically, I verified that each of the 103 pages of the application listed on the postcard as being included in the application papers, including page 43, was contained in the application papers prior to sealing the Express Mail envelope.

I witnessed Wilfred Sayo reviewing the documents as well as witnessed him place all of the application papers into the Express Mail envelope after completing his review.

I declare, to the best of my knowledge, that all statements made in this document are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the above-captioned application or any patent issued thereon.

Date: 1/3, 1995

Michael J. Mallie

#3

and processing ends. Also, if the A-pass flag is not set, then processing ends immediately.

In some embodiments, whether a coefficient at a particular bitplane is in the A-group or the B-group can be determined without using a flag bit. This saves one bit of memory per coefficient, which may be significant for large images. Instead a mask is compared using AND logic to a coefficient. If the result of the AND is zero, the bit is in the A-group; otherwise, it is in the B-group. An example of these masks are shown in Table 7 for 8 bitplanes. Note that these masks are the two's complement of $2^{(bitplane+1)}$ (without the sign bit).

Table 7 - Masks

Bitplane	Mask (binary)
7	10000000
6	11000000
5	11100000
4	11110000
3	11111000
2	11111100
1	11111110
0	11111111

Since independent masks can be assigned to the A-pass and B-pass respectively (called herein M_A and M_B), as many A-passes as desired can be performed before the corresponding B-pass. In one embodiment with 17 bitplanes, 3 A-passes are performed, then 14 simultaneous A-passes and B-passes are performed, and finally 2 B-passes are performed. Since A-pass

DO NOT ENTER
SEE PAPER #6

TB377895749 US

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☐ Next Day Delivery or ☐ Second Day Delivery		Total Postage & Fees $
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FROM:

9-20-94

BLAKELY SOKOLOFF TAYLOR ZAFMAN
1279 OAKMEAD PARKWAY
SUNNYVALE CA 94086-4040

74451 P002

SAN FRANCISCO, CA AIRPORT BR SEP 20 1994

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TO: Telephone Number:

Hon. Commissioner of Patents
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Washington, D.C. 20231

Label 11-F (JULY 1990)

(Exhibit 4)

RECEIVED

SEP 29 1994

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN
LOS ANGELES

Serial No.: ** Filing Date: **

Client: Ricoh Corporation

Title: METHOD FOR COMPRESSION USING REVERSIBLE EMBEDDED WAVELETS

Inventor(s): Zandi, et al.

BSTZ File No.: 74451.P024 Atty/Secty Initials: MJM/tll

Date Mailed: 9-20-94 Docket Due Date:

The Following has been received in the U.S. Patent & Trademark Office on the date stamped hereon:

- ☐ Amendment/Response (# of Pages: ____)
- ☐ Appeal Brief (# of Pages: ____)
- ☐ Assignment and Cover Sheet
- ☐ Certificate of Mailing
- ☐ CIP Application (# of Pages: ____)
- ☐ Continuation Application (# of Pages: ____)
- ☒ Declaration & POA (# of Pages: 3) (unsigned)
- ☐ Design Patent Application (# of Pages: ____)
- ☐ Disc. Docs & Orig & Copy of Inv's Sgnd Ltr (# of Pages: ____)
- ☐ Divisional Application (# of Pages: ____)
- ☒ Drawings: 54 # of sheets includes 54 figures
- ☒ Express Mail No. TB377895749
- ☐ _____ Month(s) Extension of Time
- ☐ Information/Prior Art Statement (# of Pages: ____)
- ☐ Other: _____
- ☐ Issue Fee Transmittal ☒ Check No. 2038
- ☐ Notice of Appeal Amt. $ 880.-
- ☐ PCT Application (# of Pages: ____) ☐ Check No. _____
- ☐ Petition for Extension of Time Amt _____
- ☐ Petition for _____ (# of Pages: ____)
- ☒ Postcard
- ☐ Power of Attorney (# of Pages: ____)
- ☐ Preliminary Amendment (# of Pages: ____)
- ☐ Reply Brief (# of Pages: ____)
- ☐ Request to Incorporate Disclosure Document (# of Pages: ____)
- ☐ Small Entity Declaration for Indep. Inventor/Small Business
- ☒ Transmittal Letter (original & copy)
- ☒ Utility patent: 103 pgs of specification (w/cover & abstract)

MAIL ROOM SEP 20 1994 PAT. & TRADEMARK OFF.

08/310141

(Exhibit 1)